INDEX, VOLUME 20, 1982

Number 1

Editorial: An Introduction to the CORS Practice Prize Special Issue 1

HASTUS: A Model for the Economic Evaluation of Drivers' Collective Agreements in Transit Companies
JEAN-YVES BLAIS AND JEAN-MARC ROUSSEAU 3

The Acceptance of a Simulation Model for Planning Decisions at the St Lawrence Seaway Authority
WAYNE DAWSON, S. LAKSHMINARAYAN, ANDRÉ A. LANDRY, AND J. BRUCE MCLEOD 16

A Customer Selectivity Approach to Operations at CN Express
JACQUES ROY AND MICHEL RAVACLEY 28

Risk Evaluation of a Sour Gas Pipeline System JOHN WHITTAKER 40

An Inventory-Scheduling Procedure for a Multi-product Manufacturing System SAM YAGAR 52

Number 2

Editorial: An Assessment and Projection of INFOR Objectives
ROBERT L. PROBERT 63

A Look at Symmetric Binary B-Trees
NIVIO ZIVIANI AND FRANK WM. TOMPA 65

An Efficient Algorithm for Colouring the Edges of a Graph with $\Delta + 1$ Colours ESHRAT ARJOMANDI 82

A Theoretical Framework for Measuring the Value of Job Security with an Application to the Canadian Public Service
MICHEL NEDZELA AND YVES BALCER 102

Analysis of Strategies in the Canadian Football League
PETER C. BELL 116

Inférence Statistique et Problèmes d'Optimisation Combinatoire de Grande Taille — CHRISTIAN LARDINOIS 126

The GI/PH/1 Queue: A Method to Find the Transition Matrix — W.K. GRASSMANN 144

Inventory Lot-Size Models with General Time-Dependent Demand and Carrying Cost Functions — MOSHE F. FRIEDMAN 157

A Result for an Extended Version of the Simple Timetabling Problem — A.T. CLEMENTSON AND C.H. ELPHICK 168

Number 3

Graph Property Update Algorithms and Their Application to Distance Matrices — GRANT A. CHESTON AND D.G. CORNEIL 178

Canadian Contributions to the Management Science / Operations Research Literature — MAXIME A. CRENER AND ALFRED L. KAHL 202

A Variables and Constraints Aggregation Procedure for a Problem in Water Resources Development — O. COŞKUNOĞLU AND C.M. SHETTY 210

Repair Limit Policies for Vehicle Replacement — C.E. LOVE, A. RODGER, AND G. BLAZENKO 226

Developing a Solid Waste Management Model for Toronto — LARRY JENKINS 237

Ranking Queue Systems Using Stochastic Dominance — DANIEL G. SHIMSHAK 248

Technical Notes

An Inventory Replenishment Policy for the Case of a Linear Decreasing Trend in Demand — LOUIS J.A. BROSSEAU 252

A Marginal Cost Analysis for an Age Replacement Policy with Minimal Repair — MENACHEM BERG AND ROBERT CLEROUX 258

Forum

Images of Reality: The Relation between the Real World and the Model World in OR — JOHN BUZACOTT 264

Number 4

Editorial: Some Recent Advances in the Theory, Computation, and Applications of Network Flow Models
FRIEDA GRANOT AND DARWIN KLINGMAN 285

A Management Support System for Distribution Planning
ARTHUR M. GEOFFRION, GLENN W. GRAVES, AND SHAO-JU LEE 287

Model Extension and Computation in Goal-Arc Network Approaches for EEO Planning
A. CHARNES, W.W. COOPER, A. NELSON, AND R. NIEHAUS 315

The Two-Level, Single-Period Network Layout Optimization Problem and Its Solution AVINOAM PERRY 336

Dispatching Service Units on Networks Using Perfect Real Time Location Information ODED BERMAN 357

A Successive Shortest Path Algorithm for the Assignment Problem
MICHAEL ENGQUIST 370

Network Relaxations and Lower Bounds for Multiple Choice Problems FRED GLOVER AND JOHN M. MULVEY 385

Selected Applications of Minimum Cuts in Networks
JEAN-CLAUDE PICARD AND MAURICE QUEYRANNE 394

Controlled Rounding
LAWRENCE H. COX AND LAWRENCE R. ERNST 423

Recent Developments in Computer Implementation Technology for Network Flow Algorithms
FRED GLOVER AND DARWIN KLINGMAN 433